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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
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Sheet 1 of 2

Application Number	09/776,125
Filing Date	February 2, 2001
First Named Inventor	Seth A. Foerster et al.
Group Art Unit	3731
Examiner Name	
Attorney Docket Number	END-723

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
JLB		6,071,301		Cragg et al.	06/06/2000	ALL
		6,174,330 B1		Stinson	01/16/2001	ALL
		6,183,497 B1		Sing et al.	02/06/2001	ALL
		6,214,045 B1		Corbitt, Jr. et al.	04/10/2001	ALL
		5,487,392		Haaga	01/30/1996	ALL
		5,626,611		Liu et al.	05/06/1997	ALL
		5,676,146		Scarborough	10/14/1997	ALL
JLB		B1 5,676,146		Scarborough	04/18/2000	All

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				
JLB		WO	00/78228 A1		CHIN SING et al.	28-12-2000	ALL	
JLB		WO	98/10712		SCARBOROUGH, Nelson, L.	19-03-1998	ALL	
JLB		WO	95/13746		HAGGA, John B.	26-05-1995	ALL	

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
JLB		PARKER and KLAUS; From the RSNA Refresher Course: Performing a Breast Biopsy With Directional, Vacuum-assisted Biopsy Instrument; Radiographics Vol 17/5, 1997, pp 1233-1252	
		LEONARD et al.; USE OF ULTRASOUND TO GUIDE RADIATION BOOST PLANNING FOLLOWING LUMPECTOMY FOR CARCINOMA OF THE BREAST; Int. Journal Radiation Oncology, Vol 27, 1993, pp 1193-1197	
		THOMSON et al.; Stereotactic Brain Biopsy Using a Narrow Aperture Computed Tomography Scanner, Clinical Radiology, vol 35, 1984, pp 209-214.	
		SEOUDI et al; Stereotactic Core Needle Biopsy of Nonpalpable Breast Lesions: Initial Experience With a Promising Technique; Arch. Surgery, Vol. 133, April 1998; pp 366-372	
		HOFMANN et al.; Biodegradable Implants in Orthopaedic Surgery - A Review on the State-of-the-Art; Clinical Materials; Vol 10, 1992; pp 75-80	
JLB		PARKER and BURBANK; A Practical Approach to Minimally Invasive Breast Biopsy; Radiology, vol 200, 1996, pp 11-20. Letters; Letters to the American Journal of Radiology; AJR vol. 184, January 1995, pp 260-261	
Examiner Signature	Norman P. Bader		Date Considered
			12/20/04

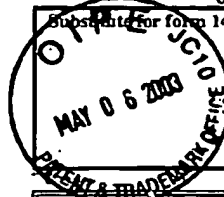
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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JMB		4,197,846		Bucalo	04/15/80	ALL
		4,247,406		Widder et al.	01/27/81	ALL
		4,718,897		Elves	1-12-1988	ALL
		4,787,391		Elefantiades	11-29-1988	ALL
		5,108,421		Fowler	04-28-1992	ALL
		5,122,147		Sewell	06-16-1992	ALL
		5,201,314		Bosley et al.	04-13-1993	ALL
		5,718,237		Haaga	02-17-1998	ALL
		5,873,904		Ragheb et al.	02-23-1999	ALL
		5,879,357		Heaton et al.	03-09-1999	ALL
		6,161,034		Burbank et al.	12-12-2000	ALL
		6,270,464		Bulton et al.	08-07-2001	ALL
		6,347,241		Burbank et al.	02-12-2002	ALL
		6,356,782		Sririmanne et al.	03-12-2002	ALL
		2001/0023322	A1	Esposito et al.	09-20-2001	ALL

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				
JMB		WO	00/24320	A1	Esposito et al.	05-04-2000	ALL	
JMB		JP	9-66063	A	Koken Co., LTD (Translation)	03-11-1997	ALL	

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

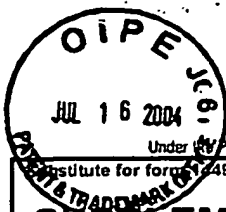
Examiner's Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
JMB		LEE and KNOCHER; Technical Developments and Instrumentation: Air as an Ultrasound Contrast Marker for Accurate Determination of Needle Placement; Radiology 143; June 1982; pp 787-788	
JMB		SULLIVAN; Perspective: Needle Core Biopsy of Mammographic Lesions; AJR vol. 62, March 1994 (received 9/20/1993) pp 601-608.	
JMB		YANDOW and MALLANA; Gas Contrast Guided Needle Biopsy of the Head of the Pancreas; Radiology vol. 137, November 1980; pp 543 - 544.	
JMB		LEE et al.; Air as a Contrast Marker for Ultrasound-Guided Fetal Transfusions; Radiology, vol 138, Feb. 1981, pp 490-491.	
Examiner Signature		<i>Don R. Barte</i>	Date Considered

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# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Application Number	09/776,125
Filing Date	February 2, 2001
First Named Inventor	Seth A. Foerster et al. ✓
Group Art Unit	3731
Examiner Name	Jessica Baxter
Attorney Docket Number	END -723

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JLB		3,592,185		Ephraim, et al.	07-13-1971	ALL
		4,087,791		Lemberger	05-02-1978	ALL
		4,541,438		Parker, et al.	09-17-1985	ALL
		4,735,210		Goldenberg	04-05-1988	ALL
		4,735,796		Gordon	04-05-1988	ALL
		5,041,826		Milheiser	08-20-1991	ALL
		5,101,827		Goldenberg	04-07-1992	ALL
		5,114,703		Wolf, et al.	05-19-1992	ALL
		5,127,916		Spencer, et al.	07-07-1992	ALL
		5,300,120		Knapp, et al.	04-05-1994	ALL
		5,433,751		Christel, et al.	07-18-1995	ALL
		5,437,279		Gray	08-01-1995	ALL
		5,470,308		Edwards, et al.	11-28-1995	ALL
		5,482,040		Martin, Jr.	01-09-1996	ALL
		5,496,536		Wolf	03-05-1996	ALL
JLB		5,514,379		Weissleder, et al.	05-07-1996	ALL
		5,555,885		Chance	09-17-1996	ALL
		5,579,766		Gray	12-03-1996	ALL
JLB		5,582,172		Papisov, et al.	12-10-1996	ALL

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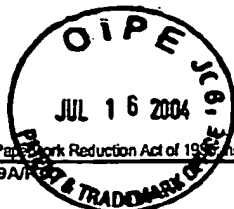
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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				
JLB		WO	98/09247	A1	Cothren, et al.	03-05-1998	ALL	
JLB		WO	98/52617	A2	McIntire, et al.	11-26-1998	ALL	

Examiner Signature	<i>Jessica R. Baxter</i>	Date Considered	12/20/04
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**SUPPLEMENTAL INFORMATION  
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Sheet 2 of 2

Application Number	09/776,125
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JLB		5,595,177		Mena, et al.	01-21-1997	ALL
		5,674,288		Knapp, et al.	10-07-1997	ALL
		5,697,902		Goldenberg	12-16-1997	ALL
		5,716,407		Knapp, et al.	02-10-1998	ALL
		5,725,578		Knapp, et al.	03-10-1998	ALL
		5,732,704		Thurston, et al.	03-31-1998	ALL
		5,776,093		Goldenberg	07-07-1998	ALL
		5,776,094		Goldenberg	07-07-1998	ALL
		5,803,913		Khalkhali, et al.	09-08-1998	ALL
		5,810,806		Ritchart, et al.	09-22-1998	ALL
		5,855,609		Knapp	01-05-1999	ALL
		5,857,463		Thurston, et al.	01-12-1999	ALL
		5,868,778		Gershony, et al.	02-09-1999	ALL
		5,895,640		Khalkhali	04-20-1999	ALL
		5,899,865		Chance	05-04-1999	ALL
JLB		5,913,857		Ritchart, et al.	06-22-1999	ALL
		5,970,986		Bolz, et al.	10-26-1999	ALL
		5,977,431		Knapp, et al.	11-02-1999	ALL

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				
JLB		WO	99/25248	A1	Carroll	05-27-1999		
JLB		WO	99/46284	A2	Rajotte, et al.	09-16-1999		

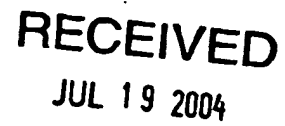
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<b>Attorney Docket Number</b>	END-723

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Examiner Signature	<i>Norman R. Bault</i>	Date Considered	12	7/01/04
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JAB		Re. 35,391		Brauman	12-03-1996	ALL
		3,194,239		Sullivan	01-16-1963	ALL
		4,298,998		Naficy	11-10-1981	ALL
		4,347,234		Wahlig et al.	08-31-1982	ALL
		4,365,572		Gullemin et al.	11-02-1982	ALL
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		4,703,108		Silver et al.	10/27/1987	ALL
		5,061,281		Mares et al.	10-29-1991	ALL
		5,085,629		Golberg et al.	02-04-1992	ALL
		5,120,802		Mares et al.	06-09-1992	ALL
		5,127,916		Spencer et al.	07-07-1992	ALL
		5,192,300		Fowler	03-19-1993	ALL
		5,195,988		Haaga	03-23-1993	ALL
		5,274,074		Tang et al.	12-28-1993	ALL
		5,433,751		Christel et al.	07-18-1995	ALL
		5,470,308		Edwards et al.	11-28-1995	ALL
		5,514,379		Weissleder et al.	05-07-1996	ALL
		5,522,896		Prescott	06-04-1996	ALL
		5,824,081		Knapp et al.	10-20-1998	ALL
		5,869,080		McGregor et al.	02-09-1999	ALL
		5,922,024		Janzen et al.	07-13-1999	ALL
		6,066,325		Wallace et al.	05-23-2000	ALL
		6,214,045	B1	Corbitt, Jr. et al.	04-10-2001	ALL
		2004/0024304	A1	Foerster et al.	02-05-2004	ALL
JAB		2001/0034528	A1	Foerster et al.	10-25-2001	ALL
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JLB		WANG HOM-LAY et al. "Evaluation of an Absorbable Collagen Membrane in Treating Class II Furcation Defects"; pp 1029-1036. November 1994.	
		BROPHY M. REGINA et al. "Biodegradable Polyester Polymers as Drug Carriers". Pp 1-25.	
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		MOONEY, D.J. et al. "Transplantation of Hepatocytes Using Porous, Biodegradable Sponges." Transplantation Proceedings, Vol. 26, No. 6 Dec. 1994 Pp 3425-3426.	
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		KULKARNI, R. K. PHD. Et al.; "Biodegradable Poly(lactic acid) Polymers." U.S. Army Institute of Dental Research, Walter Reed Army Medical Center, Washington, D. C. (1971) Vol. 5, Pp. 169-181	
		CHASIN, MARK AND LANGER, ROBERT. - LEWIS, DANNY H. "Biodegradable Polymers as Drug Delivery Systems." Controlled Release of Bioactive Agents from Lactide/Glycolide Polymers Ch. 1 Pp -41 (1990). And BOGDANSKY, SIMON "Natural Polymers as Drug Delivery Systems." Pp. 231-259.	
		HUANG, SAMUEL J. et al.; "Hydrophilic-Hydrophobic Biodegradable Polymers: Release characteristics of Hydrogen-Bonded, Ring-Containing Polymer Matrices. (1994) Biomaterials (1994, Vol. 15 No. 15 Pp. 1243-1247.	
		BECKER, PAUL L. "Comparison of Antibiotic Release from Polymethylmethacrylate Beads and Sponge Collagen." Journal of Orthopaedic Research. (1994) Vol. 12, No. 5.	
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Examiner Signature	Jessica R. Baxter	Date Considered	12/20/04

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 5

Application Number	09/776, 125
Filing Date	February 2, 2001
First Named Inventor	Foerster, Seth A., et al.
Group Art Unit	3731
Examiner Name	Jessica R. Baxter
Attorney Docket Number	END-723

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
JRB		4,248,214		Hannah, et al.	02-03-1981	ALL
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		4,592,356		Gutierrez	06-03-1986	ALL
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		4,966,583		Debbas	10-30-1990	ALL
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		5,014,713		Roper, et al.	05-14-1991	ALL
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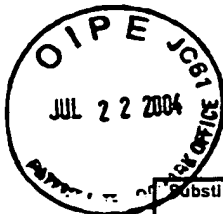
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				
JRB		EP	0 894 503	A2	Stinson	08-06-1998	ALL	
JRB		PCT	00/38579	A2	Sirimanne, et al.	12-23-1999	ALL	

Examiner Signature	Jessica R. Baxter	Date Considered	12/20/04
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2 of 5

Application Number	09/776, 125
Filing Date	February 2, 2001
First Named Inventor	Foerster, Seth A., et al.
Group Art Unit	3731
Examiner Name	Jessica R. Baxter
Attorney Docket Number	END-723

**U.S. PATENT DOCUMENTS**

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		Number	Kind Code <sup>2</sup> (if known)			
JRB		5,080,655		Haaga	01-14-1992	ALL
		5,083,570		Mosby	01-28-1992	ALL
		5,158,084		Ghiatas	10-27-1992	ALL
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JRB		5,409,004		Sloan	04-25-1995	ALL

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				

Examiner Signature	<u>Jessica R. Baxter</u>	Date Considered	<u>12/20/04</u>
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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary) <b>Sheet 3 of 5</b>	<b>Application Number</b>	09/776, 125
	<b>Filing Date</b>	February 2, 2001
	<b>First Named Inventor</b>	Foerster, Seth A., et al.
	<b>Group Art Unit</b>	3731
	<b>Examiner Name</b>	Jessica R. Baxter
	<b>Attorney Docket Number</b>	END-723

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code <sup>2</sup> (if known)			
JRB		5,423,321		Fontenot	06-13-1995	ALL
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JRB		5,795,308		Russin	08-18-1998	ALL

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Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				

Examiner Signature	Jessica R. Baxter	Date Considered	12/20/04
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Sheet 4 of 5

Application Number	09/776, 125
Filing Date	February 2, 2001
First Named Inventor	Foerster, Seth A., et al.
Group Art Unit	3731
Examiner Name	Jessica R. Baxter
Attorney Docket Number	END-723

**U.S. PATENT DOCUMENTS**

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		Number	Kind Code <sup>2</sup> (if known)			
JRB		5,807,276		Russin	09-15-1998	ALL
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JRB		6,356,782	B1	Sirimanne, et al.	03-12-2002	ALL

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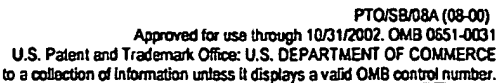
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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>				

Examiner Signature	Jessica R. Baxter	Date Considered	12/20/04
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<b>Application Number</b>	09/776, 125
<b>Filing Date</b>	February 2, 2001
<b>First Named Inventor</b>	Foerster, Seth A., et al.
<b>Group Art Unit</b>	3731
<b>Examiner Name</b>	Jessica R. Baxter
<b>Attorney Docket Number</b>	END-723

Examiner Signature	<i>Debra P. Baker</i>	Date Considered	12/20/04
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